

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,552,120 B2  
APPLICATION NO. : 10/580747  
DATED : June 23, 2009  
INVENTOR(S) : Hassane Essafi et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 27, line 39, Equation 25, reads:

$$\hat{C}_p = \frac{1}{L \times T} \sum_{n=0}^{L-1} \sum_{m=0}^{T-1} y(n, m) \cos(n\hat{\omega}_p + m\hat{\nu}_p) \quad (25)$$

should read

$$\hat{C}_p = \frac{1}{L \times T} \sum_{n=0}^{L-1} \sum_{m=0}^{T-1} y(n, m) \cos(n\hat{\omega}_p + m\hat{\nu}_p) \quad (25)$$

Column 27, line 42, Equation 26, reads:

$$\hat{D}_p = \frac{1}{L \times T} \sum_{n=0}^{L-1} \sum_{m=0}^{T-1} y(n, m) \cos(n\hat{\omega}_p + m\hat{\nu}_p) \quad (26)$$

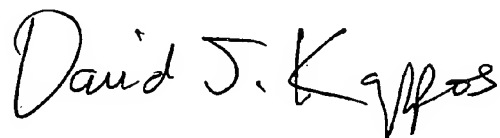
should read

$$\hat{D}_p = \frac{1}{L \times T} \sum_{n=0}^{L-1} \sum_{m=0}^{T-1} y(n, m) \cos(n\hat{\omega}_p + m\hat{\nu}_p) \quad (26)$$

Column 30, line 16, "FIG. 20: 19; 6; 5; 4; 4; 8; 11." should read  
--FIG. 20: 19; 6; 5; 4; 4; 8; 11.--

Signed and Sealed this

Thirtieth Day of November, 2010



David J. Kappos  
Director of the United States Patent and Trademark Office